

APPENDIX A

A list of χ values for elements that may be used as ferromagnetic layers and conductive spacers is provided below:

Element	Polycrystalline χ (eV).	Bulk Crystal Structure
Au	2.22	FCC
Fe	1.90	BCC
Cu	1.91	FCC
Ag	1.89	FCC
Pt	2.34	FCC
Pd	2.32	FCC
Ir	2.32	FCC
Rh	2.04	FCC
Co	2.05	FCC in thin films
Ni	2.13	FCC
Mn	1.65	Complex
Cr	1.83	BCC
Ti	1.76	
V	1.74	BCC
Ru	1.92	CPH close packed hexagonal
Sn	1.79	Complex
Ta	1.73	BCC
Nb	1.75	BCC

1	Zr	1.63	BCC CPH
2	Hf	1.57	CPH
3	Y	1.21	CPH
4	La	1.39	FCC CPH
5	<u>Element Polycrystalline χ (eV.)</u>		<u>Bulk Crystal Structure</u>
6			
7	Rare earth		
8	elements	~1.21	Complex CPH FCC BCC
9	C	~2.52	Various forms
10	N	~3.01	Gaseous
11	Al	~1.72	FCC
12	Ge	~2.00	
13	Si	~1.96	
14	Bi	1.71	
15	As	1.50	